Abstract

The invention relates to a method for monitoring an optical transmission line by means of an optical amplifier, in particular a Raman amplifier, wherein the pump power (P_p) generated by a pump source (13) of the optical amplifier (7) is coupled into the optical transmission line (9), wherein the power (P_{ASE}) of the ASE (Amplified Spontaneous Emission) signal generated by the pump power (P_p) in the transmission line (9) and fed back toward the optical amplifier (7) is detected, and wherein an error signal is generated when the power (P_{ASE}) of the detected ASE signal falls below a preset threshold value.

The main drawing is Figure 1.